

**IN THE CLAIMS:**

Please amend the claims as follows:

1. (Previously Presented) A method of executing an operation on a set of graphical components, the method comprising the computer-implemented steps of:  
detecting that a statement contains  
    an operation identifier that specifies said operation,  
    pattern matching criteria, and  
    an attribute identifier that identifies an attribute; and  
executing said statement by  
    identifying said set of graphical components associated with identifiers that  
    satisfy said pattern matching criteria, and  
    performing said operation on said attribute of each graphical component in said  
    set of graphical components that satisfy said pattern matching criteria,  
    altering state information corresponding to each graphical component in  
    said set of graphical components to generate a frame within an animation.
2. (Original) The method of Claim 1, wherein said statement includes a first string of characters that contains at least one wild card character and that specifies said pattern matching criteria.
3. (Original) The method of Claim 2, wherein said first string is part of a second string of characters, wherein said second string of characters includes said attribute identifier and is in a format that conforms to object-dot notation.
4. (Canceled)
5. (Original) The method of Claim 1, wherein said statement is written in a scripting language and the step of detecting is performed by a script processor.
6. (Canceled)

AUTO/0034

7. (Original) The method of Claim 1, wherein step of detecting that a statement contains pattern matching criteria includes detecting that the statement contains pattern matching criteria for a hierarchical identifier.
8. (Previously Presented) A method of executing an operation on collections of graphical components, the method comprising the computer-implemented steps of:  
detecting that a statement contains  
an operation identifier that specifies said operation,  
an identifier that is associated with a collection of graphical components, and  
an attribute identifier that identifies an attribute of a member graphical component  
of said collection of graphical components; and  
executing said statement by  
identifying member graphical components of said collection of graphical  
components, and  
performing said operation on said attribute of each graphical component of said  
identified member graphical components, altering state information  
corresponding to each graphical component of said identified member  
graphical components to generate a frame within an animation.
9. (Previously Presented) The method of Claim 8, wherein said collection of graphical components is an array.
10. (Previously Presented) The method of Claim 8, wherein said collection of graphical components includes all instances of a native type of graphical components managed by a CAD system.
11. (Original) The method of Claim 10, wherein said native type is a map type of graphical components, wherein a map type defines a surface.

AUTO/0034

12. (Previously Presented) A computer-readable medium carrying one or more sequences of one or more instructions for executing an operation on a set of graphical components, the one or more sequences of one or more instructions including instructions which, when executed by one or more processors, cause the one or more processors to perform the steps of:
- detecting that a statement contains
    - an operation identifier that specifies said operation,
    - pattern matching criteria, and
    - an attribute identifier that identifies an attribute; and
  - executing said statement by
    - identifying all graphical components associated with identifiers that satisfy said pattern matching criteria, and
    - performing said operation on said attribute of each of said graphical components that satisfy said pattern matching criteria, altering state information corresponding to each graphical component in said set of graphical components to generate a frame within an animation.
13. (Original) The computer-readable medium of Claim 12, wherein said statement includes a first string of characters that contains at least one wild card character and that specifies said pattern matching criteria.
14. (Original) The computer-readable medium of Claim 13, wherein said first string is part of a second string of characters, wherein said second string of characters includes said attribute identifier and is in a format that conforms to object-dot notation.
15. (Canceled)
16. (Original) The computer-readable medium of Claim 12, said statement is written in a scripting language and the step of detecting is performed by a script processor.
17. (Canceled)

AUTO/0034

18. (Previously Presented) A computer-readable medium carrying one or more sequences of one or more instructions for executing an operation on collections of graphical components, the one or more sequences of one or more instructions including instructions which, when executed by one or more processors, cause the one or more processors to perform the steps of:
- detecting that a statement contains
    - an operation identifier that specifies said operation,
    - an identifier that is associated with a collection of graphical components, and
    - an attribute identifier that identifies an attribute of a member object of said collection of graphical components; and
  - executing said statement by
    - identifying member graphical components of said collection of graphical components, and
    - performing said operation on said attribute of each graphical component of said identified member graphical components, altering state information corresponding to each graphical component of said identified member graphical components to generate a frame within an animation.
19. (Previously Presented) The computer-readable medium of Claim 18, wherein said collection of graphical components is an array.
20. (Previously Presented) The computer-readable medium of Claim 18, wherein said collection of graphical components includes all instances of a native type of graphical components managed by a CAD system.
21. (Previously Presented) The method of claim 1, further comprising the step of changing the value of another attribute, the other attributes not associated with the identifiers that satisfy said pattern matching criteria.

AUTO/0034

22. (Previously Presented) The method of claim 8, further comprising the step of changing the value of another attribute, the other attribute not associated with the attribute identifier.